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U.S. Bureau of Reclamation

Opportunities for farm ownership

[Washington]

[1927]

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OPPORTUNITIES FOR FARM OWNERSHIP

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Orland Irrigation Project

CALIFORNIA

EAST PARK DAM

U.S.
DEPARTMENT
OF THE
INTERIOR
HUBERT WORK
SECRETARY

BUREAU
OF
RECLAMATION
ELWOOD MEAD
COMMISSIONER

ORANGE GROVE

OPPORTUNITIES FOR FARM OWNERSHIP

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Orland Irrigation Project

CALIFORNIA

EAST PARK DAM

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Further information regarding farms on the Orland project may be obtained from the following:

DR. ELWOOD MEAD, Commissioner, Bureau of Reclamation, Washington, D. C.

R. C. E. WEBER, Superintendent, Orland project, Orland, Calif.

GEORGE C. KREUTZER, Director of Reclamation Economics, Bureau of Reclamation, Washington, D. C.

R. E. KELLY, Manager of Development, Southern Pacific Lines, San Francisco, Calif.

SECRETARY, Orland Chamber of Commerce, Orland, Calif.

THE ORLAND FEDERAL IRRIGATION PROJECT

INFORMATION FOR THOSE INTENDING TO SECURE FARMS ON THE ORLAND PROJECT

GENERAL DESCRIPTION

THE Orland project is located in Glenn and Tehama Counties in the north central portion of the Sacramento Valley of California, 100 miles north of Sacramento, the capital of the State, and 165 miles from San Francisco. The project comprises some 21,000 acres, of which 14,670 acres were irrigated in 1926.

All land in the Orland project is in private ownership; no public land is available for entry. The limit of ownership has been established by the Secretary of the Interior at 40 acres, except that original subscribers (or their successors in interest) to stock in the Orland Unit Water Users' Association are qualified to hold an area not in excess of 160 acres.

IRRIGATION PLAN AND WATER SUPPLY

The irrigation plan of the Orland project provides for the storage of water in East Park Reservoir with a capacity of 51,000 acre-feet, controlled by East Park Dam on Little Stony Creek, about 40 miles southwest of Orland, Calif., and a feed canal, 7 miles long connecting the storage basin with Stony Creek. The diversion works for the feed canal are located about 3½ miles west of Stonyford. The Stony Gorge Reservoir, of 50,200 acre-feet capacity, is located on Stony Creek about 18 miles below East Park Dam. Construction work on the dam will be completed during the fall of 1928. The stored water is conveyed from East Park in the natural creek channel 41 miles to the Miller Buttes diversion and 45 miles to the north side weir, where it is taken out in distribution systems comprising 138 miles of canals and laterals, 91 miles of which are concrete lined, and delivered directly to each 40-acre farm.

The natural flow of Stony Creek provides sufficient water for the project in normal years until in June, when it is supplemented by water from the East Park Reservoir. The water supply is sufficient

to provide 3 acre-feet per acre to the land even in years of considerably less than normal rainfall. The domestic water supply of the project is abundant, and is obtained from wells at depths of 20 feet

Concrete-lined section, South Canal

to first water and of 40 to 50 feet for second water. In both strata the water is soft, medium cool, and free from excessive amounts of alkali, iron, sulphur, or other minerals.

Stony Gorge dam under construction, showing south abutment

AGRICULTURAL AND CLIMATIC CONDITIONS

The average elevation of the irrigable area is 250 feet above sea level. The mean annual temperature at Orland for a 42-year period is 63.8°. The average of the highest recorded temperatures for the 10-year period 1917 to 1926 is 112.2° and the average of the lowest minimums for the same period is 25°. White frosts are rare occurrences and those which have occurred resulted in no damage to trees or crops. The severe frosts of 1913, 1922, and 1924 which resulted in extensive damage to citrus groves in other citrus growing sections left Orland orange orchards unharmed.

The normal rainfall at Orland is 18 inches per annum. The rain usually occurs between the 1st of November and the 1st of March. The irrigating season usually extends from March 1 to October 1, with some irrigation of citrus and olive groves in October and November. The growing season for alfalfa is of long duration, extending from about March 15 to October 15.

SOILS AND DRAINAGE

The soil consists of alluvial deposits from Stony Creek with an admixture of wash from adjacent, more elevated areas. The varieties are gravelly loam and clay and sediment loam, all deep and very productive. There is no hardpan nor alkali. The general slope of lands within the project is about 15 feet to the mile in a southeasterly direction, which affords excellent surface drainage. The subsurface drainage is equally as good. After 16 years of irrigation in the project it has been free from all drainage problems.

TRANSPORTATION

The Shasta route of the Southern Pacific Railroad passes through Orland and is one of the main lines from San Francisco to Portland, Oreg. The concrete paved State highway, which runs north and south the entire length of the State, passes directly through the town of Orland and the project. There is also the cross highway connecting the east and the west sides of the Sacramento Valley via Chico-Orland. Both freight and passenger service are also available by auto stage on the State highways.

COST OF WATER

The primary construction charge of the project is $55 per acre, repayable in 20 annual installments without interest, on December 1 of each year, the last of which is due December 1, 1935. Repayments of the Stony Gorge Reservoir supplemental construction

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charge, not to exceed $68 per acre, will be due at the rate of $4 per acre per annum, beginning December 1, 1936, and continuing at that rate until the charge is entirely refunded, except that the last installment will be adjusted according to the fractional amount then remaining due. Eleven repayments, aggregating $24.86 per acre have accrued on the primary charge, leaving a balance of $30.14. The amount of the building installment due on December 1 of this year (1927) is $3.30 per acre. The operation and maintenance charge varies from year to year. For the season of 1924, this charge was $1.65 per acre; for 1925 and 1926, it was $1.60 per acre, which is also the rate for the season of 1927. This charge is due on December 31 following the irrigation season.

Fig trees

CROPS AND YIELDS

Practically every commercial farm product grown in California can be raised at Orland. Alfalfa predominates in acreage, but orchards of nuts and citrus and deciduous fruits are rapidly assuming large proportions. Citrus products consist of oranges, lemons, and grapefruit. The Orland oranges, picking of which begins during the latter part of November, mature from 4 to 6 weeks earlier than those of the southern California groves, thus commanding the high prices of the early market and the holiday trade. Cotton has been raised successfully on the project for two succes-

sive seasons, demonstrating the adaptability of Orland soil and climate for the production of this crop. Almonds and English walnuts are grown, the former very extensively, being a very dependable money crop. Prunes, figs, peaches, apricots, pears, grapes (both table and raisin), olives, watermelons, casabas, and many varieties of berries are included in the list of fruits grown. Milo of several varieties is raised successfully and profitably; wheat and barley are also produced. The Kadota, a new variety of fig recently propagated in California, which is noted for its early bearing and excellent preserving qualities, is grown on the project. The figs are processed in a variety of ways by a cannery at Orland, which

Packing plant of Orland Orange Growers' Association

affords a ready local market. Two nurseries are engaged in producing nursery stock for local demands. Alfalfa yields from 5 to 6 tons per acre per year with five cuttings. Yields of 7½ tons are produced on the best stands. Cotton yields about three-quarters of a bale (ginned product) per acre. Full-bearing almond trees produce 2,000 pounds of nuts per acre, and prunes 4 tons per acre. As high as 300 boxes of oranges have been raised on an acre. Milo yields from 55 to 80 bushels per acre.

During the season of 1926, the gross value of the crops produced on the irrigated area exceeded $600,000, over one-half the primary construction cost of the project. The crop value per acre was $49.19, or 40 per cent of the total construction charge of $123 per acre.

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LIVE STOCK

About 3,000 dairy animals were on the project in 1926. A large number of these are purebred Jerseys and Holsteins. Dairying constitutes one of the main and most profitable industries of the project. Two creameries in operation at Orland produced 1,080,000 pounds of butter during 1926. Purebred hogs of the Poland China, Berkshire, Duroc Jersey, and Chester White breeds are raised. The poultry industry is assuming large proportions. The leading variety of chickens is the White Leghorn, although Orpingtons, Plymouth Rocks, Rhode Island Reds, and Rhode Island Whites are also raised. Turkeys constitute a source of considerable income to poultrymen on the project, about $135,000 worth being raised in 1926.

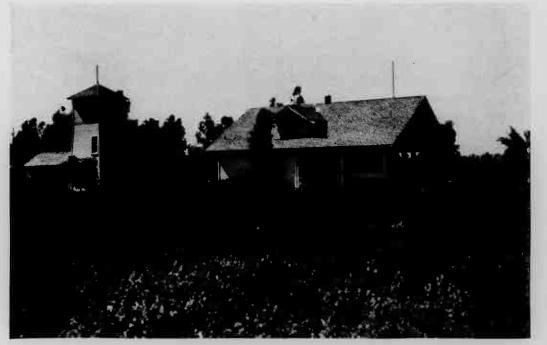
MARKETS

San Francisco and the bay cities are the principal markets for Orland products. Nuts and fruit, however, are also shipped to eastern markets through local associations of the State organizations for the cooperative marketing of almonds, olives, peaches, apricots, figs, and prunes. Oranges are marketed successfully in the San Francisco Bay region and in the Pacific Northwest through a local cooperative association, operating independently of the State organization. The two Orland creameries afford a local market for the butterfat production of the dairies, and the Orland Alfalfa Meal Mill, of 30 tons daily capacity, affords a ready local market for the surplus production of alfalfa.

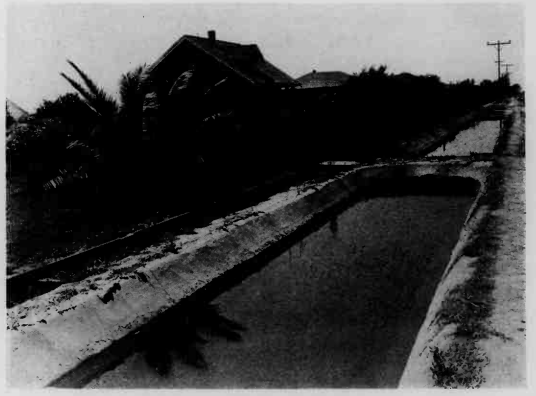
PRICES OF BUILDING MATERIALS AND EQUIPMENT

The following table gives the prevailing prices at which such commodities may be procured from business establishments at Orland:

No. 1 common white pine, rough or surfaced:		
1-inch	per M. B. M.	$45.00
2-inch	do	40.00
No. 1 common Oregon pine, rough or surfaced, 1-inch and 2-inch	per M. B. M.	40.00
No. 1 common redwood, rough or surfaced, 1-inch and 2-inch	per M. B. M.	65.00
Rustic:		
Garage redwood	do	42.00
Standard redwood	do	70.00
Oregon pine or fir	do	65.00
Flooring, tongued and grooved:		
No. 4	do	40.00
No. 3	do	60.00
No. 2	do	75.00
Ceiling:		
⅝-inch Oregon pine	do	55.00
1-inch Oregon pine	do	60.00
Shingles, cedar	per M.	4.60



Typical Orland project home



Small but attractive farms

58581°—27——2

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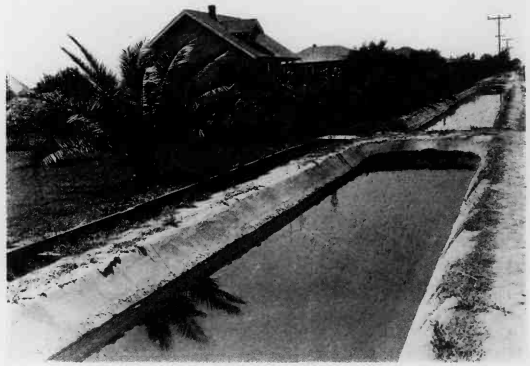

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58581°—27——2

OTHER MATERIAL

Plastic wall board	per 1,000 square feet	$40.00
Common red brick	per 1,000	28.00
Cement (in paper bags—no return credit)	per sack	.85
Split fence posts:		
4 by 5 inches by 6 feet 6 inches long, cedar	each	.25
4 by 5 inches by 7 feet long, cedar	do	.27
4 by 5 inches by 7 feet long, redwood	do	.40
Field fencing, galvanized, 6-inch stay:		
Height, 26 inches	per rod	.48
Height, 32 inches	do	.55
Galvanized barbed wire	per 80-rod roll	4.50
Mower:		
5-foot, heavy		113.00
5-foot, light		105.00
Plow:		
12-inch		24.00
10-inch		20.00
Two-horse cultivator		84.00
Spring-tooth harrow, 2 sections, 15 teeth		37.00
Wagon, gears only, 3¼ by 10:		
Wood wheel farm truck		105.00
Metal wheel farm truck		75.00
Hay rake, 10-foot		63.25
Scraper:		
Two-horse Fresno, 3½-foot		35.00
Four-horse Fresno, 5-foot		40.00
Harness, complete, per set, $30 to $75; average		40.00

Work horses may be procured locally at prices varying from $75 to $125 per head, the average being $200 for a two-horse team of good animals, well broken.

Average prices for Jersey cows are $75 and for Holsteins, $85. Purebred sires are valued at $125 upward.

Brood sows may be obtained at an average cost of approximately $40.

Prices for baby chickens from local hatcheries vary from $15 to $18 per hundred. Prevailing prices for turkeys are 40 and 45 cents per pound. Young birds may be purchased during the summer at $1.50 to $3 each, depending upon their age.

Fuel:		
Coal	per ton	$17.00
Wood, oak	per tier[1]	$5 and $5.50
Gasoline (for agricultural use only)	per gallon	.18
Distillate (for agricultural use only)	do	.16½

TOWNS AND INDUSTRIES

The city of Orland, located in the center of the project, has a population of approximately 1,700. It is an important shipping point not only for project products but also for products of the area surrounding the project and for the sheep and beef-cattle industry of the foothill region west of Orland. The city is well provided with dealers in general merchandise.

[1] Tier is amount of wood contained in a rick 4 feet high and 8 feet long: 3 tiers of 16-inch wood equal 1 cord.

Orland has 2 semiweekly newspapers, 1 State and 1 national bank with combined assets of one and one-third million dollars, 2 creameries, 2 lumber yards, 1 alfalfa meal mill, a fig cannery, and an orange packing house. The Orland Chamber of Commerce, with a membership of 100 farmers and business men, has a regularly employed secretary-manager and maintains an office where Orland products are attractively exhibited. The Orland Woman's Improvement Club is also actively engaged in civic development and improvement.

Orland High School buildings

A band, composed of local musicians and supported by a municipal tax, gives concerts at regular intervals.

Orland has an adequate municipal water system for domestic use and fire protection, a sewer system, and paved streets in the business section. Electricity for lighting, heating, and power is available from the Pacific Gas & Electric hydroelectric development on the Pit River watershed. This service is available not only in the town of Orland but is being extended rapidly into the project area.

SCHOOLS AND CHURCHES

The school facilities of the Orland project are a source of pride to the entire community. Two large concrete buildings, with two auxiliary buildings, compose the city grammar schools and four modern concrete structures on an 8-acre campus constitute the high-

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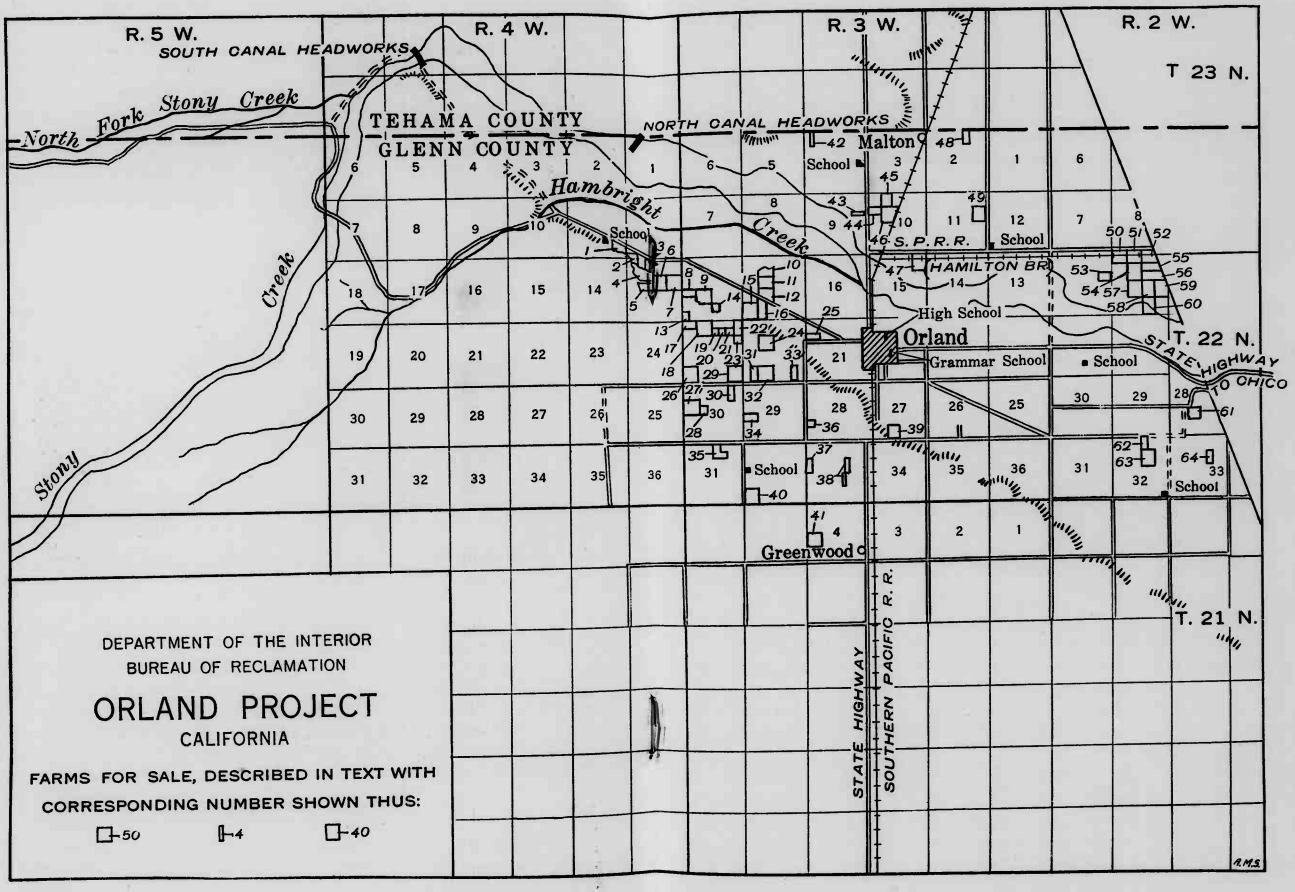
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SOUTH CANAL HEADWORKS
NORTH CANAL HEADWORKS
North Fork Stony Creek
TEHAMA COUNTY
GLENN COUNTY
Hambright Creek
Stony Creek
Malton
School
S. P. R. R.
HAMILTON BR.
High School
Orland
Grammar School
STATE HIGHWAY TO CHICO
Greenwood
STATE HIGHWAY
SOUTHERN PACIFIC R. R.
DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION
ORLAND PROJECT
CALIFORNIA
FARMS FOR SALE, DESCRIBED IN TEXT WITH CORRESPONDING NUMBER SHOWN THUS:
50
4
40

school group. In the project are seven district schools, most of which are housed in buildings of modern construction. The attendance of the project schools approximates 1,000 pupils, with an instructional corps of more than 40 teachers. The principal religious denominations are represented at Orland.

SOCIAL ACTIVITIES

Among the social activities are the Young Men's Christian Association and the Woman's Christian Temperance Union, coordinating with the various church organizations of the community. The Farm Bureau, although devoted primarily to agricultural interests, affords a means for social meetings and activities. A large number of fraternal organizations are also represented. The social activities of the younger generation are provided by the Camp Fire Girls and the Boy Scouts. There are also numerous social clubs, together with a golf and country club.

RECREATIONAL ADVANTAGES

The recently created Lassen Peak National Park is only 80 miles distant by air line from Orland. Two hours' drive by automobile brings one into the heart of either the Coast Range Mountains on the west or the Sierra Nevadas in the east, where trout, deer, bear, and other fish and game abound. The valley and foothill region adjacent to the project contain quail, doves, and many varieties of wild ducks and geese.

ANNUAL GLENN COUNTY FAIR

For 10 successive years the annual Glenn County Fair has been held at Orland. The fair has achieved the enviable record of being designated as one of the best and most successfully managed county fairs of northern California. One entire week in the fall is devoted to the exhibition of livestock and the display of agricultural and horticultural products, for which numerous prizes are awarded. Many interesting, as well as instructive, amusement features are also provided.

LANDS AVAILABLE FOR SALE

There are no public lands available for settlement on this project. However, options have been secured in favor of the Government on 64 farms having an aggregate irrigable area of 1,729 acres. The options expire on December 31, 1928. The farms are all located

within the Orland project and carry with them the water rights and rights to use of water afforded by the irrigation system constructed by the Government.

PRICES AND TERMS OF PURCHASE

The prices were arrived at by independent appraisal and are regarded as reasonable.

Prices vary from $69 to $160 per acre for unimproved land and from $107 to $234 per acre for improved property. The prices of the various tracts available for sale appear in the list at the end of this booklet. The selling terms are as follows:

Typical unoccupied private land available for sale

Ten per cent of the purchase price shall be paid in cash at the time of sale. During the two succeeding years no payments on principal will be required, but interest at the rate of 6 per cent on the unpaid balance shall be due and payable semiannually. During the ensuing 18 years the unpaid principal shall be paid in 36 semiannual amortized installments at the rate of 6 per cent per annum.

EXPERIENCE, CAPITAL, AND IMPROVEMENT REQUIREMENTS

Prospective purchasers will be required to have had previous farming experience, which in the judgment of the Commissioner of the Bureau of Reclamation or his authorized representative will enable them efficiently and profitably to operate a farm on the Orland project. Purchasers will also be required to produce such proof as the United States may deem necessary that they have avail-

school group. In the project are seven district schools, most of which are housed in buildings of modern construction. The attendance of the project schools approximates 1,000 pupils, with an instructional corps of more than 40 teachers. The principal religious denominations are represented at Orland.

SOCIAL ACTIVITIES

Among the social activities are the Young Men's Christian Association and the Woman's Christian Temperance Union, coordinating with the various church organizations of the community. The Farm Bureau, although devoted primarily to agricultural interests, affords a means for social meetings and activities. A large number of fraternal organizations are also represented. The social activities of the younger generation are provided by the Camp Fire Girls and the Boy Scouts. There are also numerous social clubs, together with a golf and country club.

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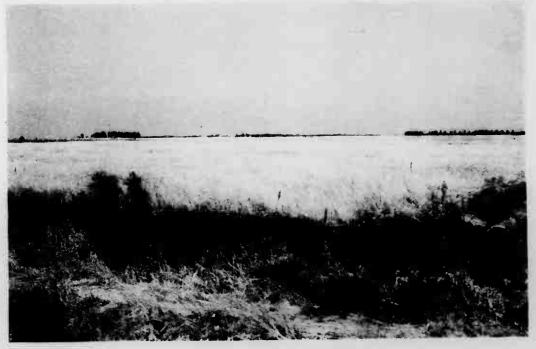

Typical unoccupied private land available for sale

Ten per cent of the purchase price shall be paid in cash at the time of sale. During the two succeeding years no payments on principal will be required, but interest at the rate of 6 per cent on the unpaid balance shall be due and payable semiannually. During the ensuing 18 years the unpaid principal shall be paid in 36 semiannual amortized installments at the rate of 6 per cent per annum.

EXPERIENCE, CAPITAL, AND IMPROVEMENT REQUIREMENTS

Prospective purchasers will be required to have had previous farming experience, which in the judgment of the Commissioner of the Bureau of Reclamation or his authorized representative will enable them efficiently and profitably to operate a farm on the Orland project. Purchasers will also be required to produce such proof as the United States may deem necessary that they have avail-

able in cash, or unencumbered negotiable securities readily convertible into cash, capital as indicated in the following table:

Size of farm:	Required capital
To and including 10 acres	$2,500
Over 10 and not exceeding 20 acres	3,250
Over 20 and not exceeding 30 acres	4,000
Over 30 and not exceeding 40 acres	5,500

During the first year, following sale of the land, the purchaser will be required to effect improvements equal in value to one-half of the total purchase price, not less than one-fourth of such improvements to consist of preparing, leveling, planting, and seeding the land for the growing of crops. All State and county taxes, together with charges for operation and maintenance and construction, which may become due after the date of the selling contract will be paid by the purchaser.

FEDERAL FARM LOANS

At the request of the land seller, the purchaser will apply for a Federal or a joint-stock land-bank loan, or a loan from a similar loaning institution making loans on real property on the installment repayment plan, in an amount sufficient to enable the purchaser to liquidate the balance of purchase price, including interest, then remaining unpaid. As such loans are made only in connection with farms in a producing state, it will usually be from three to five years after purchase before application for such loan may be required. Loans from the Federal Land Bank of Berkeley, Calif., may be negotiated through a local subsidiary organization, operating at Orland. Federal loans carry only 5¼ per cent interest and the principal on loans made on Orland project property is repayable semiannually over a term of 34½ years.

LAND TITLE

Good and sufficient merchantable title to the land purchased is guaranteed by a policy of title insurance, issued by some reliable title insurance company, in the full amount of the entire purchase price of the property. Such policy is furnished by and at the expense of the land seller.

LIST OF FARMS

The following is a description of the farms, showing area, price, deposit, and half-yearly payments required:

No. 1. Area 36.2 acres, all irrigable; no buildings or leveling; fenced on one side; gravelly-loam soil; rolling topography; one-eighth mile to school, 4¾ miles to Orland. Sale price $4,525; deposit $452.50; half-yearly payments $186.52.

No. 2. Area 19.5 acres, 19.2 acres irrigable; no buildings or leveling; fenced on one side; gravelly-loam soil on flat and clay loam on sidehill; topography is rolling with a bordering sidehill area on one side; one-half mile to school, 5 miles to Orland. Sale price $2,100; deposit $210; half-yearly payments $86.56.

No. 3. Area 29.6 acres, 29.1 acres irrigable; no buildings or leveling; mostly gravelly-loam soil with some clay loam; broken topography; three-fourths mile to school, 3½ miles to Orland. Sale price $3,850; deposit, $385; half-yearly payments $158.70.

No. 4. Area 45.4 acres, 44.7 acres irrigable; no buildings or leveling; fenced on one side; gravelly-loam soil; topography varies from broken to level with some sidehill areas; 1 mile to school, 3¾ miles to Orland. Sale price $4,250; deposit $425; half-yearly payments $175.18.

No. 5. Area 24.2 acres, 23.8 acres irrigable; no buildings or leveling; fenced on two sides; gravelly-loam soil; uniform sloping topography; 1 mile to school, 3¾ miles to Orland. Sale price $3,150; deposit $315; half-yearly payments $129.84.

No. 6. Area 40 acres, 37.9 acres irrigable; no buildings or leveling; fenced on one side; clay-loam soil; broken topography; 1 mile to school, 4 miles to Orland. Sale price $4,500; deposit $455; semiyearly payments $187.55.

No. 7. Area 39.5 acres, 37.8 acres irrigable; 3-room frame house in fair condition; no leveling; clay and gravelly-loam soil; broken topography; three-fourths mile to school, 3¾ miles to Orland. Sale price $4,600; deposit $460; half-yearly payments $189.61.

No. 8. Area 18.9 acres, 17.4 acres irrigable; no buildings or leveling; clay and gravelly-loam soil; uneven topography; adjacent to school; 3¾ miles to Orland. Sale price $2,100; deposit $210; half-yearly payments $86.56.

No. 9. Area 33.3 acres, 33.2 acres irrigable; no buildings or leveling; gravelly-loam soil; uneven topography; adjacent to school, 3½ miles to Orland. Sale price $3,300; deposit $330; semiyearly payments $136.03.

No. 10. Area 18.4 acres, 17.5 acres irrigable; no buildings; fenced on one side; all leveled with farm laterals and irrigation structures and in an excellent stand of alfalfa; silt-loam soil of good quality; 1½ miles to school, 2½ miles to Orland. Sale price $4,300; deposit $430; half-yearly payments $177.25.

No. 11. Area 32.9 acres, 32.5 acres irrigable; no buildings; fenced on one side; 30 acres level with farm laterals and irrigation structures and in an excellent stand of alfalfa; silt and gravelly loam soil of good quality; unleveled land is somewhat broken in its topography; 1¼ miles to school, 2½ miles to Orland. Sale price, $7,400; deposit, $740; half-yearly payments, $305.03.

No. 12. Area 26.3 acres, 26.1 acres irrigable; no buildings or leveling; fenced on two sides; gravelly loam soil; uneven topography; 1 mile to school, 2 miles to Orland. Sale price, $3,500; deposit, $350; half-yearly payments, $144.27.

No. 13. Area 9.6 acres, 9.1 acres irrigable; no buildings or leveling; clay loam soil; sloping topography; one-fourth mile to school, 3½ miles to Orland. Sale price, $1,000; deposit, $100; half-yearly payments, $41.22.

No. 14. Area 10 acres, all irrigable; no buildings or leveling; clay and gravelly loam soil; sloping and level topography; one-fourth mile to school, 3¼ miles to Orland. Sale price, $1,200; deposit, $120; half-yearly payments, $49.46.

No. 15. Area 40.6 acres, all irrigable; no buildings; all leveled; 38 acres in producing alfalfa; gravelly loam soil; three-fourths mile to school; 2½ miles to Orland. Sale price, $8,000; deposit, $800; semiyearly payments, $329.76.

No. 16. Area 31.1 acres, all irrigable; no buildings or leveling; fenced on one side; gravelly loam soil; rolling topography; 1 mile to school. 2½ miles to Orland. Sale price, $3,600; deposit, $360; half-yearly payments, $148.39.

No. 17. Area 19.5 acres, 18.9 acres irrigable; no buildings; fenced on one side; 16 acres partially leveled with scattering stand of alfalfa; clay loam soil; fairly uniform topography; one-fourth mile to school, 3¼ miles to Orland. Sale price, $2,500; deposit, $250; half-yearly payments, $103.05.

No. 18. Area 39.2 acres, 34.5 acres irrigable; 3-room frame house with barn, both needing repairs, well and pump; land all leveled; 4 acres in alfalfa; leveling will require additional work for proper irrigation; no irrigation structures on land not seeded and existing structures on farm laterals will require replacement; clay loam soil; one-fourth mile to school, 2¾ miles to Orland. Sale price, $6,200; deposit, $620; half-yearly payments, $255.56.

No. 19. Area 10.1 acres, all irrigable; no buildings or leveling; clay loam soil; sloping topography; three-fourths mile to school, 3¼ miles to Orland. Sale price, $1,150; deposit, $115; half-yearly payments, $47.40.

No. 20. Area 9.9 acres, all irrigable; no buildings or leveling; clay loam soil; sloping topography; 1 mile to school, 3 miles to Orland. Sale price, $1,200; deposit, $120; half-yearly payments, $49.46.

No. 21. Area 9.5 acres, all irrigable; no buildings or leveling; clay loam soil; uneven topography; 1 mile to school, 3 miles to Orland. Sale price, $1,000; deposit, $100; half-yearly payments, $41.22.

No. 22. Area 19 acres; irrigable area 18 acres; no buildings; fenced on one side; 16 acres leveled with some farm laterals but no irrigation structures; good quality gravelly loam soil; 1½ miles to school, 2¼ miles to Orland. Sale price, $3,600; deposit, $360; half-yearly payments, $148.39.

No. 23. Area 9.5 acres, all irrigable; no buildings or leveling; fenced on one side; clay loam soil; uneven topography; 1¼ miles to school, 3¼ miles to Orland. Sale price, $1,000; deposit, $100; half-yearly payments, $41.22.

No. 24. Area 39.9 acres; 38.5 acres irrigable; no buildings; fenced on three sides; all leveled and provided with farm laterals; good quality loam soil; 1¾ miles to school, 1½ miles to Orland. Sale price, $8,200; deposit, $820; half-yearly payments, $338.

No. 25. Area 25.5 acres, 25.1 acres irrigable; no buildings; fenced on all sides; 15 acres well leveled with farm laterals; 10 acres partially leveled which will require additional work for proper irrigation; mixed grades of gravelly loam soil; 1½ miles to school, 1 mile to Orland. Sale price, $4,000; deposit, $400; semiyearly payments, $164.88.

No. 26. Area 38.2 acres, 37.5 acres irrigable; no buildings or leveling; fenced on two sides; clay loam soil; topography is gently sloping to level; traversed by slough; 1 mile to school, 3 miles to Orland. Sale price, $4,650; deposit, $465; semiyearly payments, $191.67.

No. 27. Area 38.5 acres, 35.9 acres irrigable; no buildings; fenced on three sides; 9 acres leveled with some irrigation structures and some farm laterals; clay loam soil; topography is broken; traversed by slough; 1½ miles to school, 3½ miles to Orland. Sale price, $4,100; deposit, $410; half-yearly payments, $169.

No. 28. Area 9.7 acres, all irrigable; no buildings or leveling; clay loam soil; gently sloping topography; 1½ miles to school, 3½ miles to Orland. Sale price, $1,100; deposit, $110; half-yearly payments, $45.34.

No. 29. Area 38 acres, 36.6 acres irrigable; 3-room frame house needing repairs, cream-separator house, well, and pump; all leveled with 32 acres in alfalfa; clay loam soil of good quality; 1½ miles to school, 2¼ miles to Orland. Sale price, $7,500; deposit, $750; half-yearly payments, $309.15.

No. 30. Area 19.5 acres, 19.4 acres irrigable; no buildings or leveling; clay loam soil; level and sloping topography; 1¾ miles to school, 2¾ miles to Orland. Sale price, $2,500; deposit, $250; half-yearly payments, $103.05.

No. 31. Area 19.6 acres, all irrigable; no buildings or leveling; fenced on one side; clay loam soil; level and sloping topography; 1¾ miles to school, 2 miles to Orland. Sale price, $2,500; deposit, $250; semiyearly payments, $103.05.

No. 32. Area 39.1 acres, 38.5 acres irrigable; no buildings; fenced on one side; 10 acres leveled with farm laterals and in apricot trees, about 3 years old; clay and silt loam soil; topography broken by sloughs; 2 miles to school, 1¾ miles to Orland. Sale price, $5,750; deposit, $575; semiyearly payments, $237.02.

No. 33. Area 19 acres, 18.2 acres irrigable; 2-room frame house in fair condition with garage, cream-separator house, and chicken house, wind mill and pump; all leveled with farm laterals and irrigation structures; 8 acres in alfalfa and 3 acres in family orchard and grapes; 2 miles to school, 1½ miles to Orland. Sale price, $4,200; deposit $420; semiyearly payments, $173.12.

No. 34. Area 20 acres, 19.4 acres irrigable; no building or leveling; fenced on three sides; clay and loam soils; level and sloping topography; three-fourths mile to school, 4 miles to Orland. Sale price, $2,150; deposit, $215; half-yearly payments, $88.62.

No. 35. Area 30 acres, all irrigable; no buildings or leveling; fenced on one side; clay loam soil of good quality; varied topography; 1 mile to school, 4 miles to Orland. Sale price, $3,500; deposit, $350; half-yearly payments, $144.27.

No. 36. Area 10 acres, all irrigable; no buildings; fenced on three sides; 5 acres leveled and provided with farm laterals but no irrigation structures; rather coarse gravelly loam soil; broken topography; 2½ miles to school, 2 miles to Orland. Sale price, $1,200; deposit, $120; half-yearly payments, $49.46.

No. 37. Area 20 acres, all irrigable; no buildings or fences; all leveled and provided with farm laterals; rather coarse gravelly loam soil; 1 mile to school, 2½ miles to Orland. Sale price, $3,000; deposit, $300; half-yearly payments, $123.66.

No. 38. Area 25 acres, 23.7 acres irrigable; octagonal barn needing repairs; tank house with tank and well; small chicken house; fenced and cross fenced; 23.7 acres leveled but farm laterals will require new irrigation structures; 2 acres in family orchard and shade trees; medium gravelly loam soil; 2 miles to school, 1½ miles to Orland. Sale price, $5,600; deposit, $560; half-yearly payments, $230.83.

No. 39. Area 40 acres, all irrigable; no buildings; fenced on all four sides; coarse and fine sandy loam soil; all leveled and provided with farm laterals with 1,000 linear feet of concrete lining and good concrete and timber irrigation structures; 10 acres in alfalfa, 10 acres in almonds, 9 acres in grapes, with figs and apricots on remainder; 1¾ miles to school, 1¼ miles to Orland. Sale price, $7,000; deposit, $700; half-yearly payments, $288.54.

No. 40. Area 40 acres, 38.8 acres irrigable; no buildings or leveling; 10 acres each of old olive and almond trees of doubtful value; clay loam soil; rolling topography; one-fourth mile to school, 4 miles to Orland. Sale price, $3,000; deposit, $300; half-yearly payments, $123.66.

No. 41. Area 40 acres, 39.4 acres irrigable; no buildings; all leveled for irrigation but farm laterals require some repair and new irrigation structures; clay loam soil; 2 miles to school, 4 miles to Orland. Sale price, $6,000; deposit, $600; half-yearly payments, $247.32.

No. 42. Area 9.5 acres, 8.7 acres irrigable; no buildings or leveling; fenced on one side; good quality of gravelly loam soil; gently sloping topography; land is traversed by Dry Creek; 1¼ miles to school, 4 miles to Orland. Sale price, $1,125; deposit, $112.50; half-yearly payments, $46.37.

No. 43. Area 6.7 acres, 6.1 acres irrigable; no buildings or leveling; fenced on three sides; clay loam soil; uniform topography; three-fourths mile to school, 2¼ miles to Orland; fronts on concrete paved State highway. Sale price, $1,000; deposit, $100; half-yearly payments, $41.22.

No. 44. Area 19.8 acres, 18.8 acres irrigable; no buildings or leveling; clay loam soil; uniform topography; three-fourths mile to school, 2¼ miles to Orland; fronts on concrete paved State highway. Sale price, $2,700; deposit, $270; half-yearly payments, $111.29.

No. 45. Area 30.3 acres, all irrigable; no buildings or improvements; fenced on one side; gravelly loam soil; rolling topography; 1 mile to school, 2½ miles to Orland. Sale price, $3,800; deposit, $380; half-yearly payments, $156.64.

No. 46. Area 38.9 acres, all irrigable; no buildings or leveling; fenced on two sides; clay loam soil; rolling topography; 1 mile to school, 2½ miles to Orland. Sale price, $4,650; deposit, $465; half-yearly payments, $191.67.

No. 47. Area 35.5 acres, 34.6 acres irrigable; no buildings or leveling; fenced on three sides; gravelly loam soil, rolling topography; 1¼ miles to school, 2½ miles to Orland. Sale price, $4,300; deposit, $430; half-yearly payments, $177.25.

No. 48. Area 19 acres, all irrigable; no buildings or fences; 14 acres leveled with some farm laterals but no irrigation structures; clay loam soil; broken topography; 2¼ miles to school, 4¾ miles to Orland. Sale price, $2,550; deposit, $255; half-annual payments, $105.11.

No. 49. Area 39.8 acres, 39.5 acres irrigable; no buildings; fenced on all sides; 7 acres leveled with farm laterals but no irrigation structures; gravelly loam soil; gently sloping topography; southeast portion traversed by slough; one-half mile to school, 4 miles to Orland. Sale price, $5,300; deposit, $530; half-yearly payments, $218.47.

No. 50. Area 40 acres, 39.7 acres irrigable; no buildings or leveling; fenced on one side; gravelly loam soil; uniform topography with sidehill area diagonally through tract; 2 miles to school, 5½ miles to Orland. Sale price, $5,000; deposit, $500; half-yearly payments, $206.10.

No. 51. Area 40 acres, all irrigable; no buildings or leveling; fenced on one side; gravelly loam soil; rolling topography; 2½ miles to school, 6 miles to Orland. Sale price, $4,600; deposit, $460; half-yearly payments, $189.61.

No. 52. Area 38.5 acres, all irrigable; no buildings or leveling; fenced on two sides; gravelly loam soil; uniform topography; 2½ miles to school, 6 miles to Orland. Sale price, $4,600; deposit, $460; half-yearly payments, $189.61.

No. 53. Area 20 acres, all irrigable; no buildings or leveling; black sandy loam and gravelly loam soils of good quality; uniform topography with slough traversing tract; 2½ miles to school, 6 miles to Orland. Sale price, $3,200; deposit, $320; half-yearly payments, $131.90.

No. 54. Area 40 acres, 38.2 acres irrigable; no buildings or leveling; gravelly loam soil; topography is mostly uniform, somewhat broken in northeast corner; 2¾ miles to school, 6¼ miles to Orland. Sale price, $5,300; deposit, $530; half-yearly payments, $218.47.

No. 55. Area 27.2 acres, 26.7 acres irrigable; no buildings or improvements; clay loam soil of uniform quality; uneven topography; 2¾ miles to school, 6¼ miles to Orland. Sale price, $1,900; deposit, $190; half-yearly payments, $78.32.

No. 56. Area 28 acres, all irrigable; no buildings or leveling; gravelly loam soil; rolling topography; 3 miles to school, 6½ miles to Orland. Sale price, $2,600; deposit, $260; half-yearly payments, $107.17.

No. 57. Area 40 acres, 38.2 acres irrigable; no buildings or leveling; fenced on one side; black sandy loam and gravel loam soils of good quality; uniform topography with sidehill area and slough traversing tract; 3 miles to school, 6½ miles to Orland. Sale price, $5,800; deposit, $580; half-yearly payments, $239.08.

No. 58. Area 40 acres, 39.1 acres irrigable; no buildings or leveling; black sandy loam and gravelly loam soils of good quality; uniform topography; 3 miles to school; 6½ miles to Orland. Sale price, $5,300; deposit, $530; half-yearly payments, $218.47.

No. 59. Area 32 acres, 31.1 acres irrigable; no buildings or leveling; inferior gravelly loam soil; rolling topography; 3½ miles to school, 7 miles to Orland. Sale price, $2,750; deposit, $275; half-yearly payments, $113.36.

No. 60. Area 38.1 acres, 19.8 acres irrigable; no buildings or leveling; partially fenced on two sides; black sandy loam and gravel loam soils comprise the irrigable area, remainder being creek and overflow lands; topography is broken; 3¼ miles to school, 6¾ miles to Orland. Sale price, $3,000; deposit, $300; half-yearly payments, $123.66.

No. 61. Area 40.1 acres, 39.2 acres irrigable; no buildings or leveling; gravelly loam soil; fairly uniform topography; 1½ miles to school, 5½ miles to Orland. Sale price, $5,000; deposit, $500; half-yearly payments, $206.10.

No. 62. Area 20 acres, 18.7 acres irrigable; no buildings or leveling; fenced on one side; gravelly loam soil of fair topography; 1½ miles to school, 4¾ miles to Orland. Sale price, $2,500; deposit, $250; half-yearly payments, $103.05.

No. 63. Area 40 acres, 39.1 acres irrigable; no buildings or leveling; fenced on two sides; gravelly loam soil; rolling topography, traversed with slough; 1 mile to school, 5¾ miles to Orland. Sale price, $4,000; deposit, $400; half-yearly payments, $164.88.

No. 64. Area 20 acres, 19.9 acres irrigable; no buildings; land has been surface leveled but will require borders, farm laterals, and lateral structures for its irrigation; fenced on all sides; good quality of gravelly loam soil; 1½ miles to school, 6¼ miles to Orland. Sale price, $3,000; deposit, $300; half-yearly payments, $123.66.

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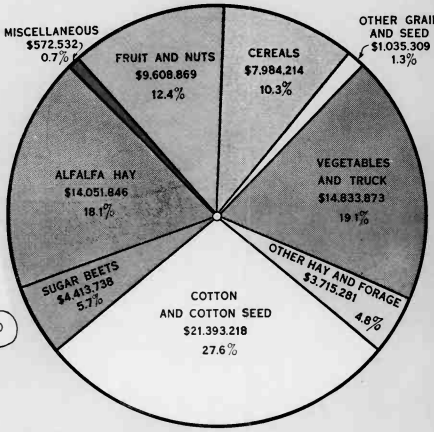
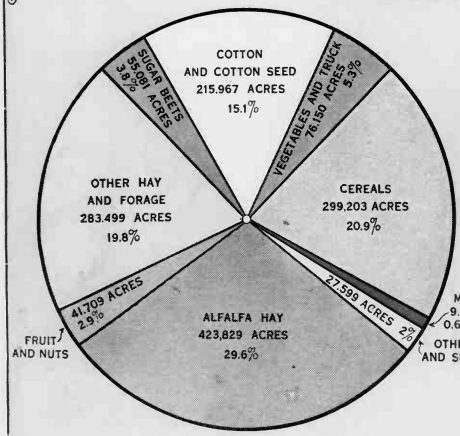
FEDERAL IRRIGATION PROJECTS

DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION

VALUE AND ACREAGE OF IRRIGATED CROPS 1925





TOTAL VALUE
$77.608.880

TOTAL ACREAGE
1.432.155 ACRES

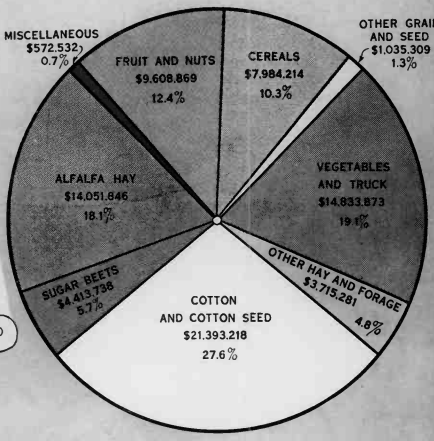
ADDITIONAL LAND RECEIVING PROJECT WATER UNDER WARREN ACT CONTRACT PRODUCED CROPS VALUED AT
$53,500,000

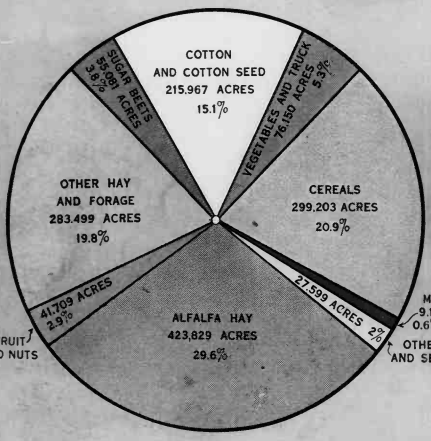
N° 21620

FEDERAL IRRIGATION PROJECTS

DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION

VALUE AND ACREAGE OF IRRIGATED CROPS 1925





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$53,500,000

N° 21620

END OF
TITLE